1 Find the coefficient of x^3 in the expansion of $(2 + 3x)^5$. [4]

2 Find the binomial expansion of $(2 - x)^3$. [4]

3 Find the binomial expansion of $(2 + x)^4$, writing each term as simply as possible. [4]

4 Calculate $^6C_3$.

Find the coefficient of x^3 in the expansion of $(1 - 2x)^6$. [4]

5 Calculate the coefficient of x^4 in the expansion of $(x + 5)^6$. [3]

6 Find the coefficient of x^3 in the expansion of $(3 - 2x)^5$. [4]

7 (i) Find the value of $^8C_3$. [2]

(ii) Find the coefficient of x^3 in the binomial expansion of $\left(1 - \frac{1}{2}x\right)^8$. [2]

8 Find the coefficient of x^3 in the binomial expansion of $(5 - 2x)^5$. [4]

9 (i) Find the coefficient of x^3 in the expansion of $(x^2 - 3)(x^3 + 7x + 1)$. [2]

(ii) Find the coefficient of x^2 in the binomial expansion of $(1 + 2x)^7$. [3]

10 (i) Calculate $^5C_3$. [2]

(ii) Find the coefficient of x^3 in the expansion of $(1 + 2x)^5$. [2]